

In the Claims

Please cancel Claims 14-55, and 60-76, without prejudice. Applicant reserves the right to file the cancelled claims in divisional applications.

Please amend Claims 1, 7, and 56. Amendments to the claims are indicated in the attached "Marked Up Version of Amendments" (page i).

1. (Amended) A DC to DC power converter having an output comprising:
a controlled rectifier transistor through which the output current flows;
a control circuit which controls the output voltage; and
override control to the control circuit, responsive to a condition of the power converter or connected circuitry, to effect a minimum current limit of the output current flowing through the controlled rectifier transistor.

7. (Amended) A power converter as claimed in claim 5 wherein the signal indicative of output current is a sensed current within the power converter.

56. (Amended) A method of converting DC to DC power comprising:
providing a controlled rectifier transistor through which output current flows;
controlling an output voltage through a control circuit; and
overriding control to the control circuit to effect a minimum current limit of the output current flowing through the controlled rectifier transistor.

Please add new Claim 77.

77. (New) A method as claimed in claim 56 wherein the minimum current limit is a negative current.